

PROJECT TITLE : ANALYTICAL INVESTIGATIONS
PERIOD COVERED : JULY 24 - SEPTEMBER 22, 1981
WRITTEN BY : Murray-M. (MUM)

MENTHOL / WS 14 IN SIDESTREAM SMOKE

The threshold odour determination of WS 14 and of menthol in sidestream smoke was requested by Dr. Ikeda (PM - USA).

The threshold level should be determined by a panel and the menthol / WS 14 level measured objectively by GC.

Replicate smoking machines have been set up in adjacent closed hoods at Cortaillod. A sampling pump has been installed to permit a triangular odour evaluation test. Evaluation tests are under way using North Pole cigarettes with Marlboro as control.

NITRITE REMOVAL

Sulfamic acid, hydroxylamine hydrochloride and hydrazine were found to react with nitrate in tobacco extracts under acid conditions. As with urea, complete nitrite elimination was possible within 24 hours.

Murray

MUM/jig/SEPTEMBER 24, 1981

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